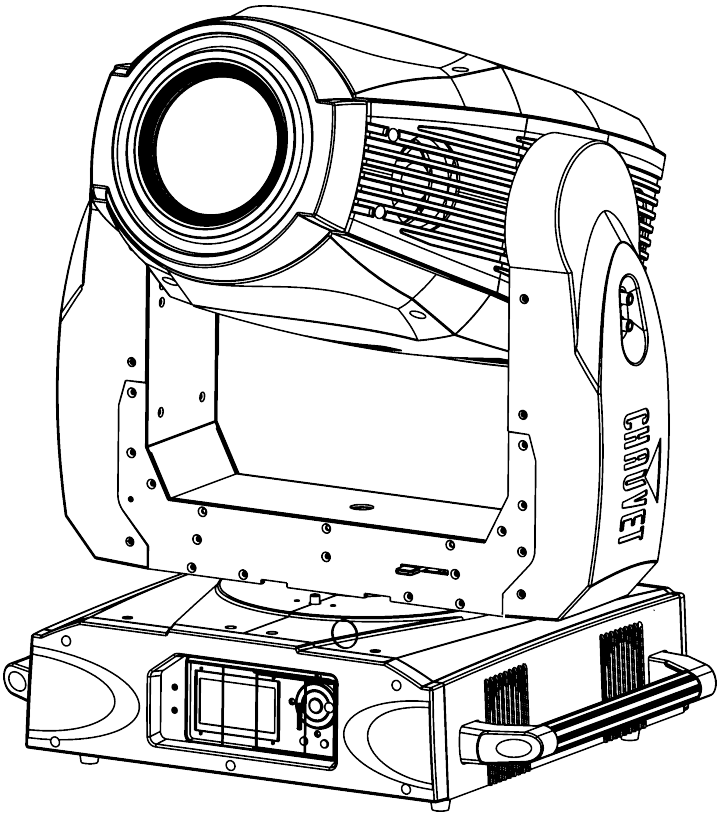
Legend™ 1200E SPOT



User Manual

CHAUVET®

Edition Notes

The Legend™ 1200E Spot User Manual Rev. 03c covers the description, safety precautions, installation, programming, operation, and maintenance of the Legend™ 1200E Spot product. CHAUVET® released this edition of the Legend™ 1200E Spot User Manual Rev. 03c in October 2010.

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For better results, print this document in color, on letter size paper (8.5 x 11 inches), double sided. If using A4 paper (210 x 297 mm), configure your printer to scale the content of this document to A4 paper.

Intended Audience

Any person in charge of installing, operating, and/or maintaining the Legend™ 1200E Spot should read the guide that shipped with it as well as this manual in their entirety before installing, operating, or maintaining this product.

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Document Revision

The Legend™ 1200E Spot User Manual Rev. 03c supersedes all previous versions of this manual. Please discard any older versions of this manual you may have, whether in printed or electronic format, and replace them with this version.

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Product at a Glance

Use on Dimmer	⊘	Auto Programs	✓
Outdoor Use	⊘	Auto-ranging Power Supply	✓
Sound Activated	⊘	Replaceable Fuse	✓
DMX	✓	User Serviceable	⊘
Master/Slave	✓	CMY Color Mixing	✓

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1. Before You Begin

What is Included

- One Legend™ 1200E Spot
- Two omega brackets
- Two hanging trigger clamps
- One flight case
- Warranty Card
- Quick Reference Guide

Unpacking Instructions

This product ships in a flight case. Immediately upon receiving this product, carefully unpack it and check the container in which you received it. Make sure that you have received all the parts indicated above and that they are all in good condition. If the material inside the container (this product and any other accessory included with it) appears damaged from shipping, or if the container shows signs of mishandling, notify the shipper immediately. In addition, retain the container and all the packing material for inspection.

See the *Claims* section in the *Technical Information* chapter.

Typographic Conventions

Convention	Meaning
1~512	A range of values in the text
50/60	A set of mutually exclusive values in the text
[10]	A DIP switch to be configured
Claims	A new term, or a section or chapter in this document
“COLORado™ UM”	The name of another publication or manual
<SET>	A button on the fixture’s control panel
Settings	A fixture function or a menu option
MENU > Settings	A sequence of menu options
1~10	A range of menu values from which to choose in a menu
Yes/No	A set of two mutually exclusive menu options in a menu
ON	A unique value to entered or select in a menu

Icon Meaning

Icon	Meaning
	This icon indicates critical installation, configuration, or operation information. Failure to comply with this information may render the fixture partially or completely inoperative, damage third-party equipment, or cause harm to the user.
	This icon indicates important installation or configuration information. Failure to comply with this information may prevent the fixture from functioning correctly.
	This icon indicates useful, although non-critical information.

The term “DMX” used throughout this document refers to the USITT DMX512-A transmission protocol.

Safety Notes

Please read the following notes carefully because they include important safety information about the installation, usage, and maintenance of this product.

It is important to read all these notes before starting to work with this product.

There are no user serviceable parts inside this product. Any reference to servicing it you may find from now on in this User Manual will only apply to properly CHAUVET® certified technicians. Do not open the housing or attempt any repairs unless you are one of them.

Please refer to all applicable local codes and regulations for the proper installation of this product.

Keep this manual for future consultation. If you sell this product to another user, make sure that they also receive this manual.

Personal Safety

- Avoid direct eye exposure to the light source while the fixture is on.
- Always disconnect this product from its power source before servicing.
- Lamp explosion hazard! Do not open the lamp cover within five minutes of having turned off the fixture.
- The bulb remains hot for a long time after turn off. Never touch the bulb barehanded and always handle it by its metallic contacts.
- Always connect this product to a grounded circuit to avoid the risk of electrocution.
- Do not touch this product's housing when operating because it may be very hot.

Mounting and Rigging

- This product is for indoor use only! To prevent risk of fire or shock, do not expose this product to rain or moisture.
- Make sure there are no flammable materials close to this product while operating.
- When hanging this product, always secure it to a fastening device using a safety chain/cable (not provided).
- Do not carry this fixture from the head; use the handles instead.

Power and Wiring

- Always make sure that you are connecting this product to the proper voltage, as per the specifications in this manual or on the product's sticker.
- Never connect this product to a dimmer pack or rheostat.
- Make sure the product's housing or power cable are not cracked, crimped, or damaged.
- Never disconnect this product by pulling or tugging on the power cable.

Operation

- Do not operate this fixture if you see damage on the housing, lenses, ultraviolet filter, or cables; have the damaged parts replaced by an authorized technician at once.
- Do not cover the ventilation slots when the fixture is operating to avoid internal overheating.
- Do not aim this fixture toward the Sun. Otherwise, the lenses could concentrate the solar energy and cause internal overheating.
- The maximum ambient temperature (Ta) is 104° F (40° C). Do not operate this product at a higher temperature.
- In case of a serious operating problem, stop using this product immediately!

In the unlikely event that your CHAUVET® product may require service, please contact CHAUVET® Technical Support.

2. Introduction

Product Description

The Legend™ 1200E Spot is a moving yoke fixture with a 1200 W short arc discharge lamp. It contains an LCD control panel (display), through which all of the settings can be set or modified.

This fixture can operate at 200~240 VAC, 50/60 Hz, which eliminates the need for a voltage selection switch. The ballast and igniter in the lamp circuit are both of the electronic type.

Features

- 23 or 31-channel DMX moving yoke
- Pan 540º in 2.8 sec
- Tilt 270º in 1.6 sec
- Color wheel:
  - Seven colors + white (red, blue, pink, green, magenta, orange, and UV)
  - Split/linear colors
  - Rainbow color spin at variable speeds
- Gobo wheel 1:
  - Indexed, rotating gobo wheel with gobo shake:
  - Six glass, slot-n-lock gobos + open (two multicolor, four B/W)
  - Gobo wheel spin at variable speeds
  - 16-bit gobo rotation
- Gobo wheel 2:
  - Indexed, rotating gobo wheel with gobo shake:
  - Six glass, slot-n-lock gobos + open (one multicolor, five B/W)
  - Gobo wheel spin at variable speeds
  - 16-bit gobo rotation
- Variable frost
- Variable CTC filter (3,200~6,000 K)
- CMY color mixing system with vector speed adjustments
- 3-facet, 5-facet, 3D, and infinite prism with macros
- Variable shutter
- Variable iris
- Variable focus
- Variable 16-bit dimming (0~100%)
- Linear zoom (15~30º)
- Individual reset of pan/tilt, color, gobo, shutter, prism, focus
- Move-in-black for pan/tilt, color, gobo
- Remote fixture reset, lamp on/off, vector speed adjustments
- Built-in movement macros with range adjustments
- Built-in color macros

Additional Features

- 3-pin and 5-pin DMX connections
- Two additional free glass gobos
- User-configurable lamp ignition delay
- User-configurable maintenance reminder
- Electronic ballast with power factor correction
- Electronic power supply
- Automatic pan & tilt correction
- Pan & tilt locks
- Lamp and fixture usage timer
- Power saver mode

Options

- W-DMX (wireless DMX) receiver
- W-DMX (wireless DMX) transmitter

DMX Channel Summary

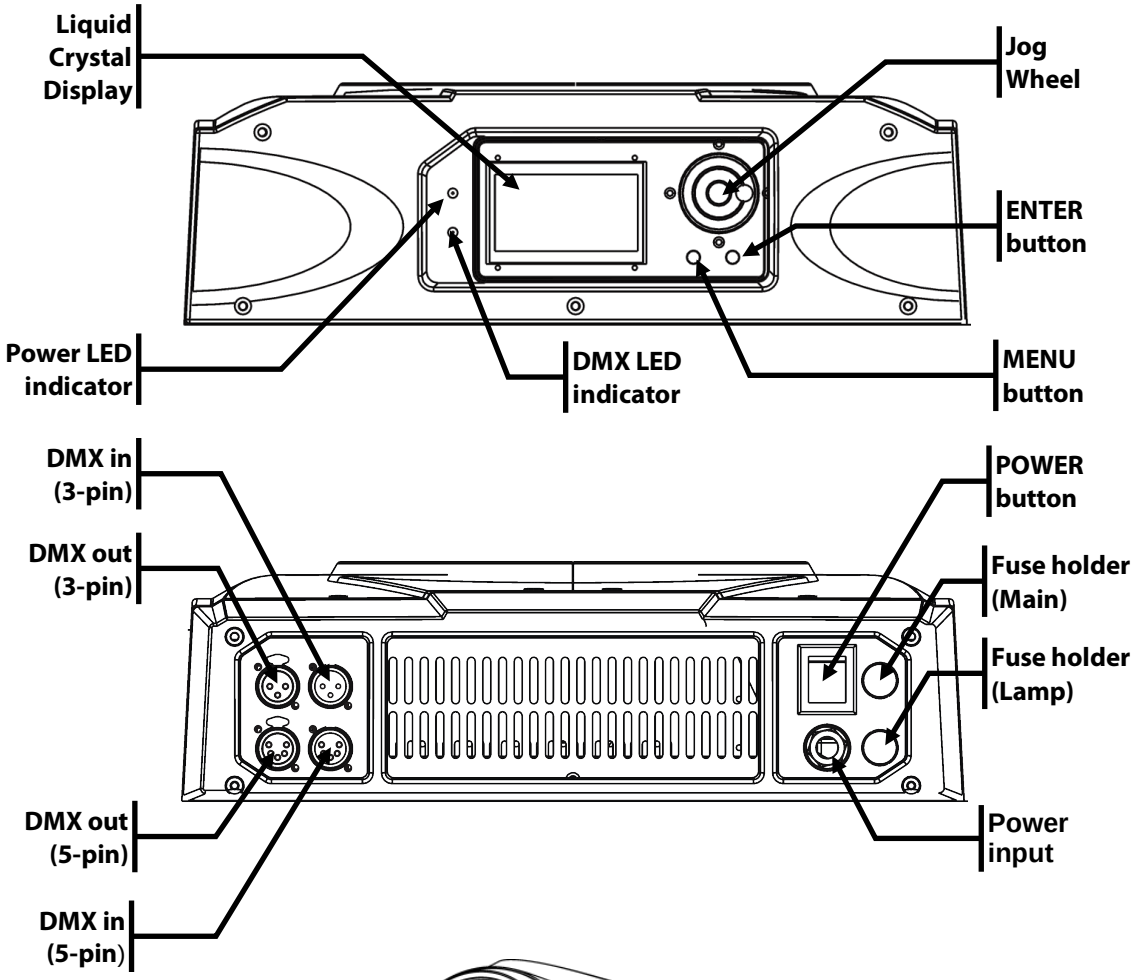
31-Channel Mode

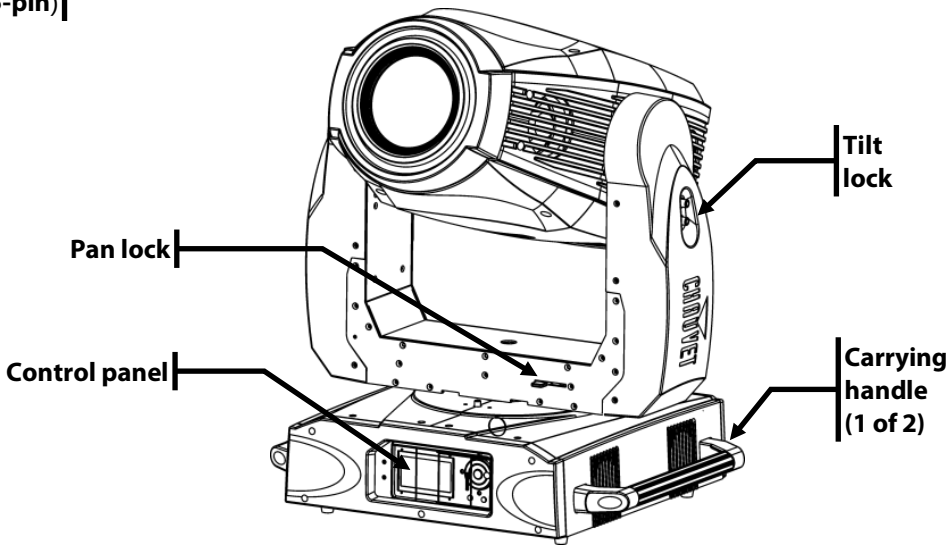
Channel	Function
1	Pan
2	Pan fine
3	Tilt
4	Tilt fine
5	Pan/tilt speed
6	Dimmer
7	Dimmer fine
8	Shutter
9	Color
10	Cyan
11	Magenta
12	Yellow
13	3,200 K (CTO)
14	CMY/CTO Filter Speed
15	Gobo 1
16	Gobo 1 rotation
17	Gobo 1 rotation fine
18	Gobo 2
19	Gobo 2 rotation
20	Gobo 2 rotation fine
21	Focus
22	Zoom
23	Effect/prism
24	Effect/prism rotation
25	Iris
26	Frost
27	Pan/tilt Movement macro
28	Pan/tilt Movement macro range
29	Preset Color
30	Color macro (CMY)
31	Function

23-Channel Mode

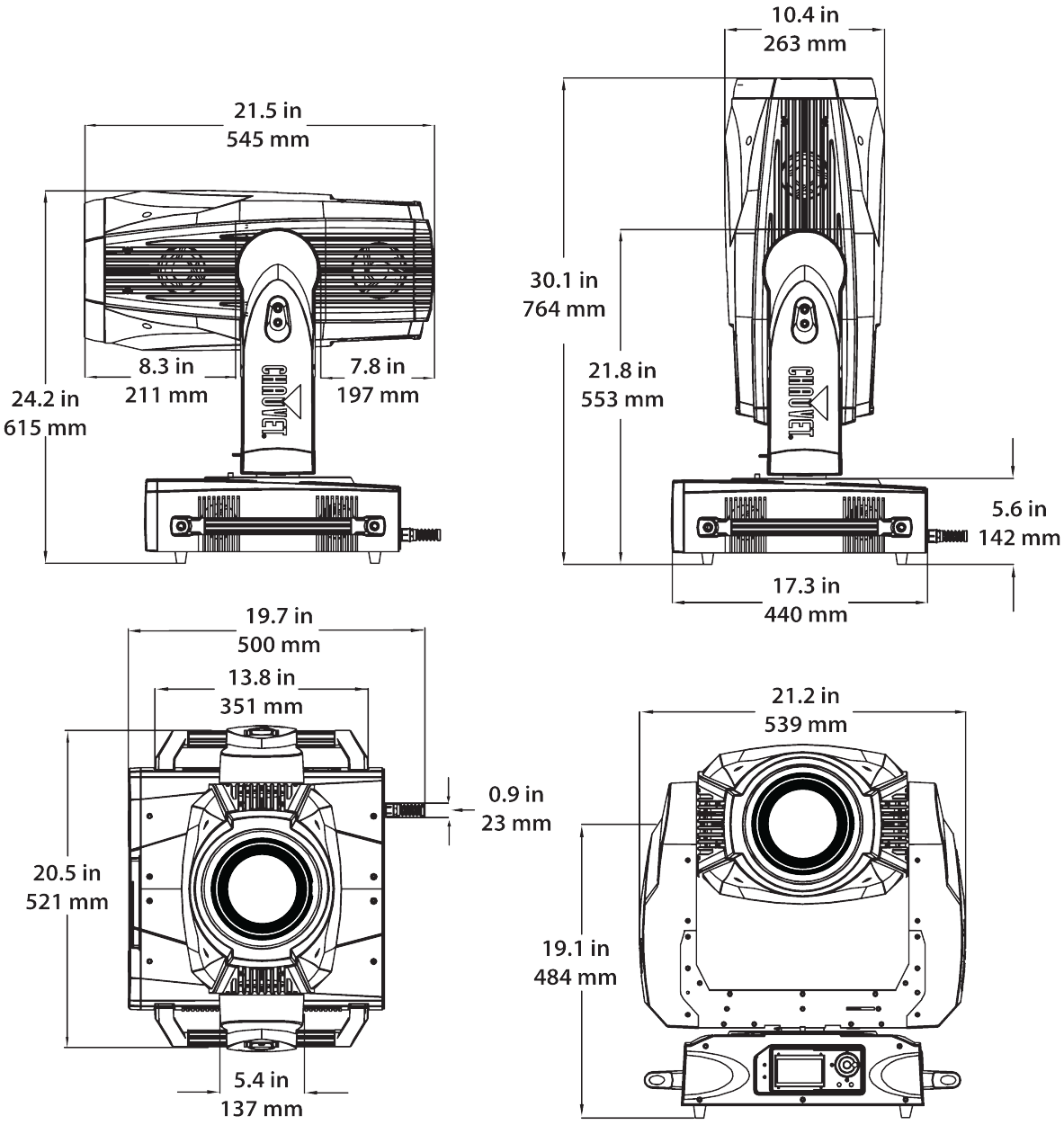
Channel	Function
1	Pan
2	Pan fine
3	Tilt
4	Tilt fine
5	Pan/tilt speed
6	Dimmer
7	Shutter
8	Color
9	Cyan
10	Magenta
11	Yellow
12	3,200 K (CTO) Filter
13	Gobo 1
14	Gobo 1 rotation
15	Gobo 2
16	Gobo 2 rotation
17	Focus
18	Zoom
19	Effect/prism
20	Effect/prism rotation
21	Iris
22	Frost
23	Function

Product Overview





Product Dimensions



3. Setup

AC Power

The Legend™ 1200E Spot has an auto-ranging power supply that can work with an input voltage range of 200~240 VAC, 50/60 Hz.

Make sure that you are connecting this product to the proper voltage, as per the specifications in this guide, the product's user manual, or on the product's sticker.

Always connect the Legend™ 1200E Spot to a protected circuit with an appropriate electrical ground to avoid the risk of electrocution or fire.

To determine the power requirements for the Legend™ 1200E Spot see the label affixed to the bottom of the fixture. Alternatively, you may refer to the corresponding specifications chart in the *Technical Information* chapter of this manual.

The listed current rating indicates the maximum current draw during normal operation. For more information, you may download the "Sizing the Circuit Breakers" document from the CHAUVET® Web site.

Never connect the Legend™ 1200E Spot to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel serves only as a 0 to 100% switch.

AC Plug

The Legend™ 1200E Spot has a bare-ended power input cord that is hard-wired to the base of the fixture. Use the table below to wire a plug for the power cord.

Connection	Wire (US)	Wire (Europe)	Screw Color
AC Live	Black	Brown	Yellow or Brass
AC Neutral	White	Blue	Silver
AC Ground	Green/Yellow	Green/Yellow	Green

Make sure to disconnect the fixture's power cord before replacing a blown fuse, and always replace it with a fuse of the same type and rating.

Fuse Replacement

1) With a Phillips #2 screwdriver, unscrew the fuse holder from its housing.
2) Remove the blown fuse from its holder and replace it with a good fuse of the exact same type and rating.
3) Screw the fuse holder back in its place and reconnect power.

DMX Linking

You may link any Legend™ 1200E Spot fixture to a DMX controller using a standard DMX serial connection. If using other DMX compatible fixtures with a Legend™ 1200E Spot, it is possible to control them individually with a single DMX controller.

If you are not familiar with the DMX standard, or if you need information about the DMX cables needed to link the Legend™ 1200E Spot fixture to a DMX controller, you may download the "DMX Primer" document from the CHAUVET® Web site.

DMX Modes

The Legend™ 1200E Spot can operate in 23 and 31-channel DMX modes. You will find information about these DMX modes in the *Introduction* chapter (brief description), the *Operation Instructions* chapter (configuration details), and the *DMX Values* section (individual channel values).

Mounting

Before mounting this fixture, read and follow the safety recommendations indicated in the *Safety Notes* section (page 2 of this manual).

Orientation

Always mount this fixture in any safe position while making sure that there is adequate room around it for ventilation, configuration, and maintenance.

Make sure to mount this fixture away from any flammable material as indicated in the *Safety Notes* section.

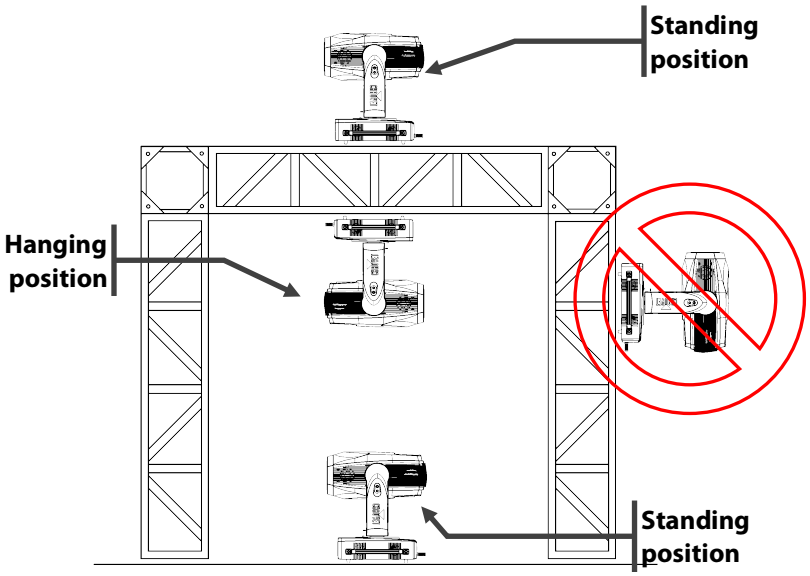
Rigging

The Legend™ 1200E Spot comes with two omega brackets and two clamps. You will have to use two mounting points per fixture. You can also mount the Legend 1200E Spot on the floor or any other firm, horizontal surface. CHAUVET® recommends following the general guidelines below when mounting the Legend™ 1200E Spot.

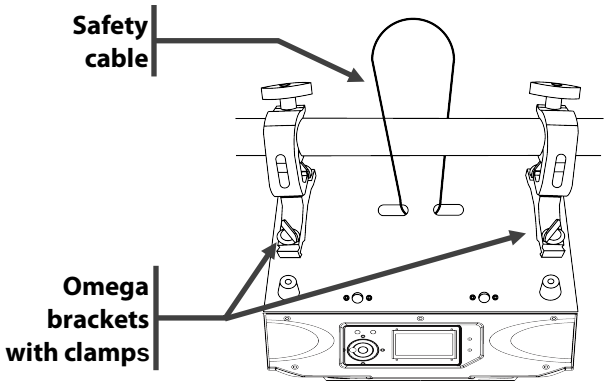
- When selecting an installation location, consider ease of access to the fixture for operation, programming adjustments, and routine maintenance.
- Never mount the fixture in places where rain, high humidity, extreme temperature changes, or restricted ventilation may affect it.
- If hanging this fixture, make sure that the location where you are mounting the fixture can support its weight. Please see the *Technical Specifications* section of this manual for the weight requirement of this fixture.

Only mount this fixture where the base is in a horizontal position, either hanging or standing, as indicated in the diagram below. Doing otherwise may cause damage to the fixture and void its warranty.

Product Mounting Diagram



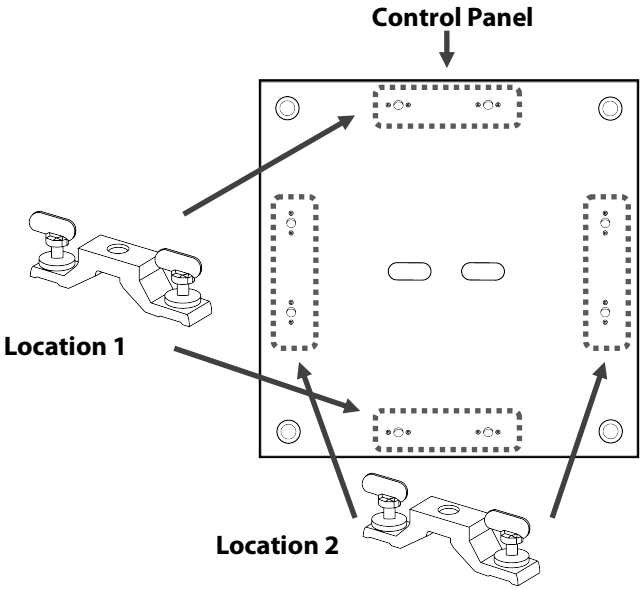
Safety Cable Installation Diagram



Bracket Installation

You can mount the included brackets on either side of the mounting plate. This allows for positioning the fixture's base in the best possible orientation to access the control panel and the fuses.

Bracket Mounting Diagram

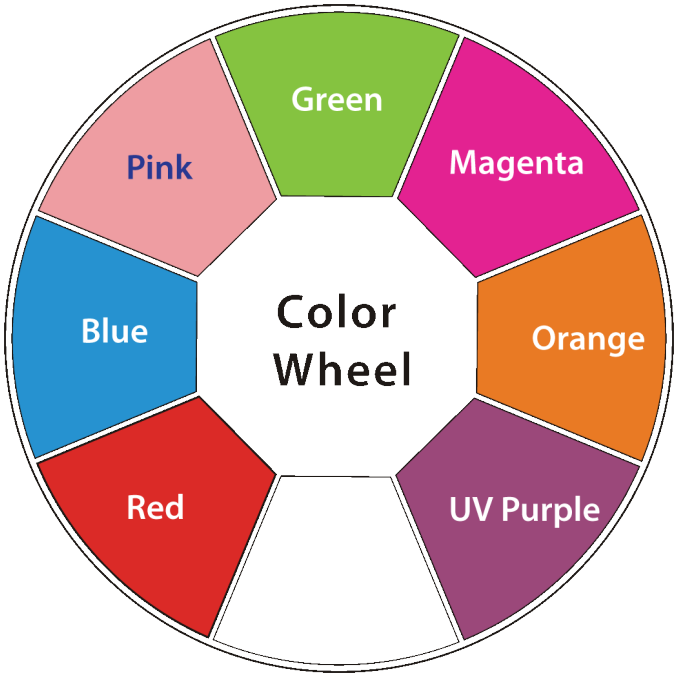


Optics

The Legend 1200E Spot has one color wheel with seven colors and two gobo wheels that support six rotating, slot-n-lock gobos each. The colors in the color wheel are not replaceable, but the gobos are.

Color Wheel

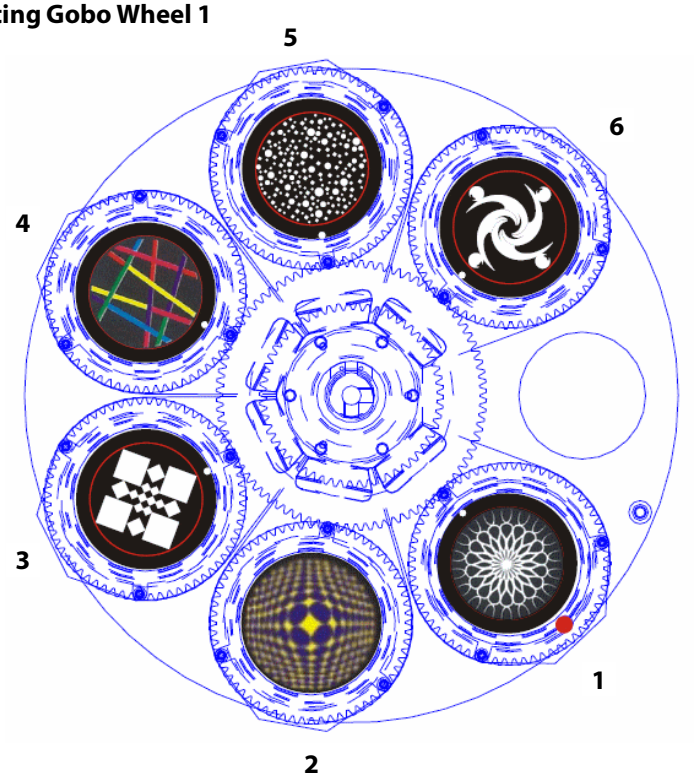
The diagram below shows the color wheel and the names of each of the seven color filters on it.



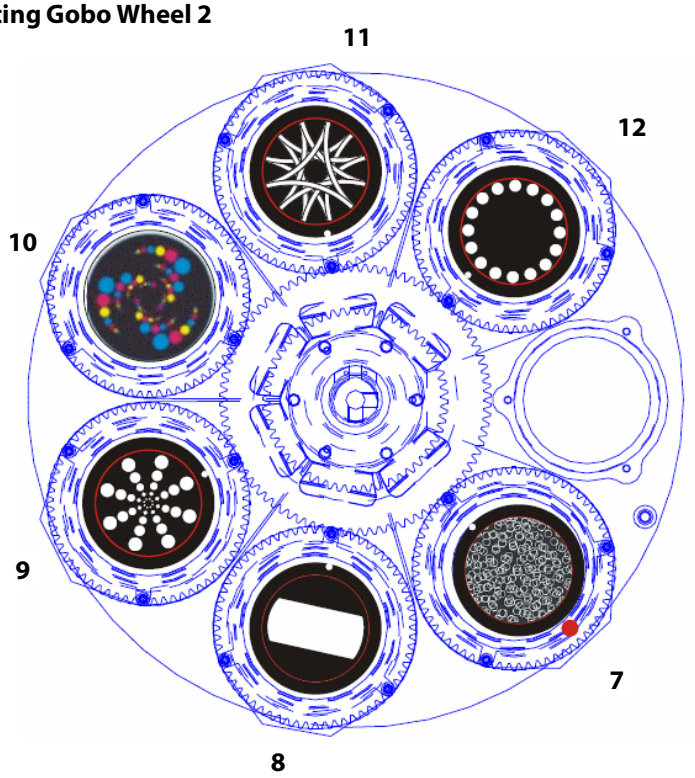
Gobo Wheels

The diagram below shows both gobo wheels and the number assigned to each gobo on each wheel.

Rotating Gobo Wheel 1



Rotating Gobo Wheel 2

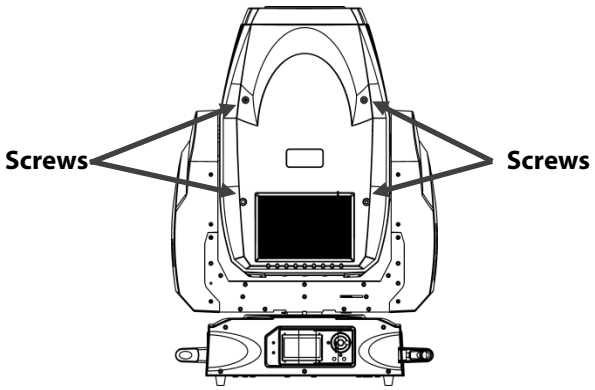


Replacing Gobos

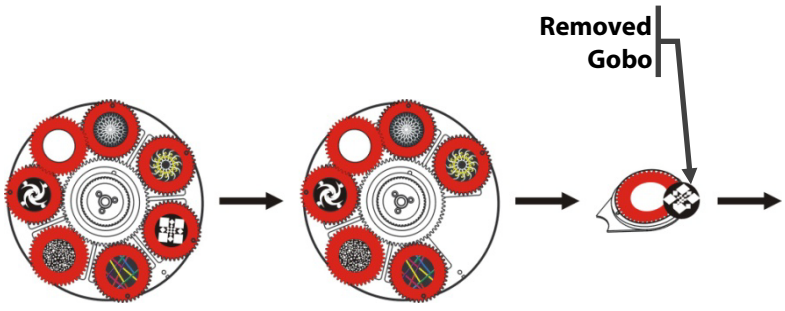
The gobos in the Legend 1200E Spot's gobo wheels are removable from their gobo plates. This operation is quite simple, although it requires the technician to be careful and to follow the recommended procedure.

- **Make sure to disconnect the fixture's power cord before replacing a gobo.**
- **Always replace a gobo with a gobo of the same dimensions.**
- **When inserting a glass gobo, always make sure that the shinny side of the gobo (glass base) faces the lamp. This provides a layer of protection against the high temperature from the lamp.**

1) Turn the fixture off and disconnect it from the power outlet.
2) Open the head cover by loosening the four fastening screws at the sides of the top cover.
3) Separate the gobo plate away from the gobo wheel by pushing it toward the front of the moving head. Be careful not to push the gobo out of the gobo plate.
4) Once released from its slot, extract the gobo plate by pulling it outward.
5) On a flat surface, remove the expansion ring that holds the gobo in place and remove the gobo from the gobo plate.
6) Insert a new gobo and hold it in place with the expansion ring.
7) Slide the tip of the gobo plate under the pressure plate near the center of the gobo wheel.
8) Push the gobo plate inwards. DO NOT force the gobo plate into the gobo wheel slot. If correctly installed, the gobo plate should accommodate itself in the gobo wheel slot.



Cover Screws Location



Gobo Removal Sequence

Lamp Replacement

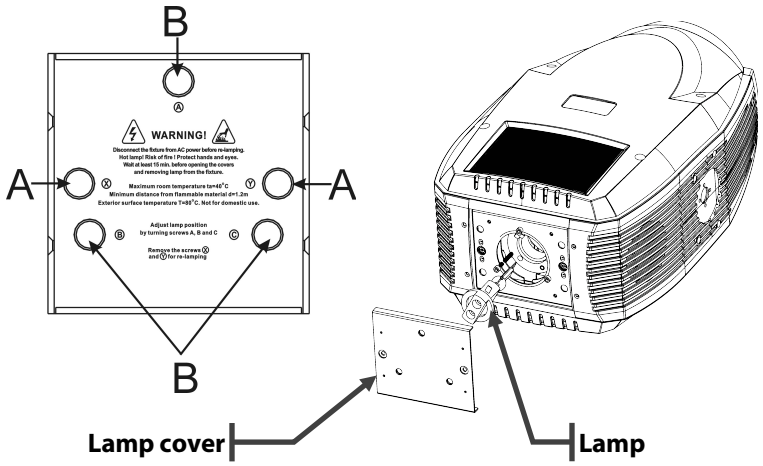
The Legend 1200E Spot is equipped with a Phillips MSR1200SA/SE FastFit lamp. This lamp uses a socket that allows for fast and easy lamp changes. Follow the procedure below to safely change the Legend 1200E Spot's lamp.

Never touch the lamp's envelope (glass bulb) with your bare hands. FastFit lamps do not require touching the lamp's envelope during removal or installation. If you touched the lamp's envelope, clean it with isopropyl alcohol and wipe it with a lint-free cloth before installing it.

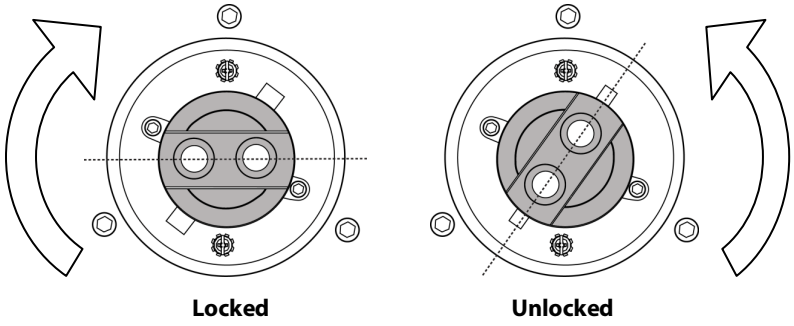
Procedure

1) Turn the fixture off and disconnect it from the power outlet.
2) Wait at least 15 minutes for the lamp to cool down.
3) Loosen the two screws on the lamp cover (marked "A" in the diagram).
4) Lift and rotate the lamp cover as per the diagram to expose the base of the lamp.
5) Rotate the ceramic base of the lamp 90º counterclockwise.
6) Pull the lamp out by holding it from its base only.
7) Insert the new lamp and turn it 90º clockwise.
8) Reverse steps 3 and 4.
9) Use the adjustment screws (marked "B" in the diagram) to position the lamp in the center of the reflector to obtain the best output.

Lamp Replacement Diagram



FastFit Socket Positions



Increasing the Lamp's Life

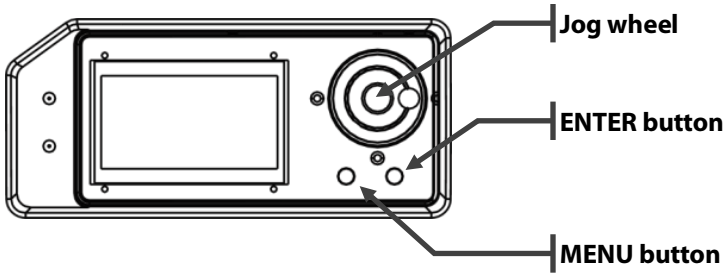
- NEVER turn the fixture's power off while the lamp is striking, as this can damage the lamp permanently.
- ALWAYS turn the lamp off by using the DMX controller or the fixture's control panel. Then wait at least five minutes before switching off the fixture. This will keep the fans running to extract any remaining heat from the fixture's head.
- ALWAYS wait 15 minutes to turn the lamp back on.
- DO NOT touch the lamp without wearing gloves to avoid leaving grease on the bulb or on the contacts that could reduce the lamp's life.
- ALWAYS change the lamp when it has reached its recommended lifespan to avoid the risk of lamp explosion.

4. Operation

Control Panel Description

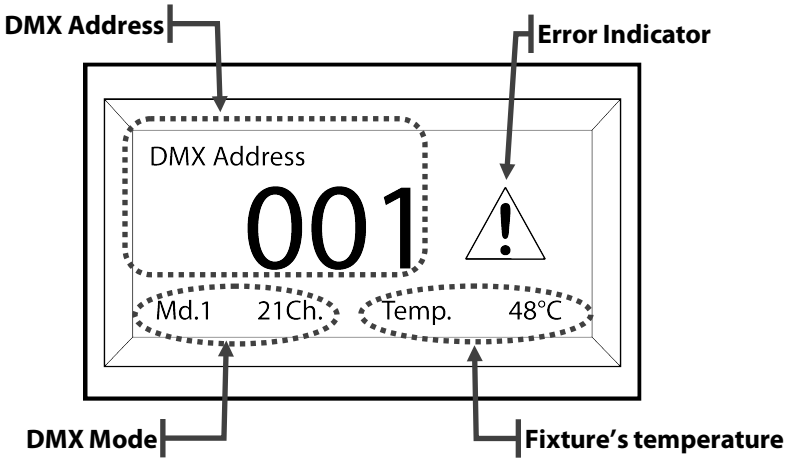
Button	Function
<MENU>	Exits from the current menu or function
<ENTER>	Enables the currently displayed menu or sets the currently selected value in to the current function
<JOG WHEEL>	Navigates upwards through the menu list and increases the numeric value when in a function

Control Panel Diagram



Home Screen

Upon power up, the LCD will show the Legend logo and the fixture's identification. After completing the power up tests, the LCD will show the DMX address, the DMX mode, and the fixture's temperature, along with the warning sign if the tests have detected an error.



- **When the warning sign shows, press <ENTER> to read the corresponding error message (see *Error Messages* in the *Technical Information* chapter).**
- **Press <ENTER> while looking at an error messages to clear it.**

Control Options

You can set the Legend™ 1200E Spot's start address in the 001~512 DMX range. This allows for the control of up to 22 fixtures in the 23-channel DMX Mode 1 and up to 16 fixtures in the 31-channel DMX Mode 2.

Menu Map

Main Menu Level	2nd Level	3rd Level	4th Level
DMX Functions	*DMX Address*	1~512	N/A
	DMX Channel Mode	Mode 1 (23)	
		Mode 2 (31)	
	View DMX Value	N/A	
	WDMX Setting (Requires optional W-DMX card)	*Active*	No/Yes
		Retransmit	
		Reset Memory	
Fixture Settings	*Pan Inverse*	No/Yes	N/A
	Tilt Inverse		
	Bl.o. P/T Moving		
	Bl.o. Color Change		
	Bl.o. Gobo Change		
	Auto Focus		
Lamp Settings	*On/Off*	On/Off	N/A
	State/Power On		
	Off Via DMX	No/Yes	
	On if DMX On		
	Off if DMX Off		
	Cooling Mode	High/Auto	
	Ignition Delay	0~255	
	Low Power Delay		
Display Settings	*Display Inverse*	No/Yes	N/A
	Back Light Auto Off		
	Back Light Intensity	1~10	
	Temperature Unit	°C/°F	
Fixture Test	Auto Test	N/A	N/A
	Manual Test	000~255	
Fixture Information	Fixture use time	N/A	N/A
	Lamp On Time	Exit/ Reset Time	
	Firmware Version	N/A	
Reset Function	*Pan & Tilt*	No/Yes	N/A
	Color		
	Gobo & Iris		
	Shutter & Dimmer		
	Focus & Zoom		
	Prism & Frost		
	All		
Special Functions	*Fixture Maintenance*	Interval/Remain Time	N/A
	Factory Settings	Yes/No	

Programming

Carry out all the programming procedures indicated below from the control panel. Refer to the *Menu Map* page to learn how the menu options relate to each other.

Navigation Control

The Control Panel's liquid crystal display (LCD) shows the menu items you select. When you select a menu function, the display will show the available options for the selected function with the first one already highlighted.

If not at the home screen, press **<MENU>** repeatedly until the home screen shows.

To enter programming mode from the home screen, press **<MENU>**. This is the first menu level.

To highlight functions or options from a screen, rotate the jog wheel and stop at the desired function or option.

To accept the highlighted option, press **<ENTER>**. This may open another screen, as per the **Menu Map**.

To activate or enable a selected option, press **<ENTER>**.

To return to the previous screen without changing the current option's value, press **<MENU>**.

DMX Operation

The Legend 1200E Spot operates always in standard DMX mode (no "Slave," "Auto," or "ID addressing" modes). The options in the DMX Operation section set the starting DMX address and the DMX mode as well as show the fixture's DMX configuration. To access this section, do the following:

1) Press **<MENU>**.
2) Select ***DMX Functions***.
3) Select the corresponding function as indicated below.
4 Press **<MENU>** to exit once you are done with this section.

DMX Address

To select the starting DMX address, do the following:

1) Select ***DMX Address***.
2) Select a DMX address (**001~512**).
3) Press **<ENTER>**.

DMX Modes

To select the DMX mode, whether Basic (23 channels) or Advanced (31 channels), do the following:

1) Select ***DMX Channel Mode***.
2) Select **Mode 1 (23)** (Basic) or **Mode 2 (31)** (Advanced).
3) Press **<ENTER>**.

View DMX Values

This option shows the values for all the fixture's DMX functions, from the first channel (starting address) to the last channel (**23** for Basic and **31** for Advanced).

1) Select ***View DMX Value***.
2) Press **<ENTER>** (the values will show on the screen).
3) Scroll with the jog wheel to see all values.
4) Press **<MENU>** to exit.

Fixture Settings

The options in the Fixture Settings section set the pan and tilt modes as well as the blackout options. To access this section, do the following:

1) Press **<MENU>**.
2) Select ***Fixture Settings***.
3) Select the corresponding function as indicated below.
4) Press **<MENU>** to exit once you are done with this section.

Pan Reversal

This option reverses the pan angle assignments from 000 = 0º and 255 = 540º to 000 = 540º and 255 = 0º.

1) Select ***Pan Inverse***.
2) Select **Yes** (reversed assignments) or **No** (normal assignments).
3) Press **<ENTER>**.

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Continued from previous page

Tilt Reversal

This option reverses the tilt angle assignments from 000 = 0º and 255 = 270º to 000 = 270º and 255 = 0º.

1) Select ***Tilt Inverse***.
2) Select **Yes** (reversed assignments) or **No** (normal assignments).
3) Press **<ENTER>**.

Blackout During Head Motion

This option enables the blackout feature while the fixture head is moving (panning or tilting).

1) Select ***Bl.o. P/T Moving***.
2) Select **Yes** (blackout enabled) or **No** (blackout disabled).
3) Press **<ENTER>**.

Blackout During Color Change

This option enables the blackout feature while the fixture is changing colors.

1) Select ***Bl.o. Color Change***.
2) Select **Yes** (blackout enabled) or **No** (blackout disabled).
3) Press **<ENTER>**.

Auto Focus

This option enables the auto focus feature while the fixture is zooming from narrow to wide and vice versa.

1) Select ***Auto Focus***.
2) Select **Yes** (auto focus enabled) or **No** (autofocus disabled).
3) Press **<ENTER>**.

Lamp Settings

The Lamp Settings section comprises all the parameters that affect the fixture's lamp and its operation. To access this section, do the following:

1) Press **<MENU>**.
2) Select ***Lamp Settings***.
3) Select the corresponding function as indicated below.
4) Press **<MENU>** to exit once you are done with this section.

Lamp On/Off

This option allows turning the lamp off and back on without having to power cycle the fixture.

1) Select ***On/Off***.
2) Select **Yes** or **No**.
3) Press **<ENTER>**.

The lamp will turn on or off after pressing **<ENTER>**.

Immediate or Delayed Lamp Strike

This option allows the lamp to strike immediately (**Yes**) or in delayed mode (**No**) after powering on the fixture. Delaying the lamp strike reduces the inrush current.

1) Select ***State/Power On***.
2) Select **Yes** (immediate) or **No** (delayed).
3) Press **<ENTER>**.

The "Ignition Delay" option on page 17 controls the delay between power on and the lamp striking.

Lamp On/Off Remote Control

This option allows the lamp to turn the lamp off and back on from the DMX controller.

1) Select ***Off Via DMX***.
2) Select **Yes** or **No**
3) Press **<ENTER>**.

Lamp On When DMX is Present

When enabled (**Yes**), this option turns the lamp on when DMX signal is present.

1) Select ***On if DMX On***.
2) Select **Yes** or **No**
3) Press **<ENTER>**.

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Lamp Off When DMX is Absent

When enabled (**Yes**), this option turns the lamp off when DMX signal is absent.

1) Select ***Off if DMX Off***.
2) Select **Yes** or **No**
3) Press **<ENTER>**.

Cooling Mode

This option determines the speed of the cooling fans, whether always high or automatic.

1) Select ***Cooling Mode***.
2) Select **High** or **Auto**.
3) Press **<ENTER>**.

Ignition Delay

When the ***State/Power On*** option is active, this setting configures the delay before the lamp strikes after power on.

1) Select ***Ignition Delay***.
2) Select the ignition delay in seconds (**000** to **255**).
3) Press **<ENTER>**.

Lamp Dousing

This option decreases the lamp power after the shutters/dimmers have been closed for a configurable time to reduce the internal heat accumulation.

1) Select ***Low Power Delay***.
3) Select the time delay in seconds (**000~255**).
4) Press **<ENTER>**.

Display Settings

The options in the Display Settings section control the operation of the fixture's LCD. To access this section, do the following:

1) Press **<MENU>**.
2) Select ***Display Settings***.
3) Select the corresponding function as indicated below.
4) Press **<MENU>** to exit once you are done with this section.

Display Reversal

This option reverses the LCD orientation (180º) to read it upright when the fixture is hanging from a truss.

1) Select ***On/Off***.
2) Select **Yes** or **No**.
3) Press **<ENTER>**.

Back Light Automatic Off

This option determines whether the LCD backlight will turn off automatically after 30 seconds of control panel inactivity.

1) Select ***Back Light Automatic Off***.
2) Select **Yes** or **No**.
3) Press **<ENTER>**.

Back Light Intensity

This option selects the intensity of the LCD backlight.

1) Select ***Back Light Intensity***.
2) Select **1**~**10**.
3) Press **<ENTER>**.

Temperature Unit

When enabled (**Yes**), this option turns the lamp on when DMX signal is present.

1) Select ***On if DMX On***.
2) Select **ºC** (Celsius) or **ºF** (Fahrenheit).
3) Press **<ENTER>**.

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Continued from previous page

Fixture Tests

The options in the Lamp Settings section control what tests the fixture will run. To access this section, do the following:

1) Press **<MENU>**.
2) Select ***Fixture Tests***.
3) Select the corresponding function as indicated below.
4) Press **<MENU>** to exit once you are done with this section.

Auto Test

This option sets the fixture to run the automatic test.

1) Select ***Auto Test***.
2) Press **<ENTER>**.

The fixture will run a single sequence of tests to verify all its functions.

Manual Test

This option allows the operator to select which tests to run.

1) Select ***Manual Test***.
2) Select a function from the list (**1**~**21**).
3) Set the value (**000**~**255**) for the selected function (the fixture will assume the new function value, as if you had used a DMX controller).
4) Press **<ENTER>**.
5) Repeat steps **2** through **4** for the other functions.
6) When done with the test, press **<MENU>** (the fixture will go back to DMX mode and all the manually entered values will become **000**).

Fixture Information

The options in the Fixture Information section control the fixture usage timers and show the firmware version. To access this section, do the following:

1) Press **<MENU>**.
2) Select ***Fixture Information***.
3) Select the corresponding function as indicated below.
4) Press **<MENU>** to exit once you are done with this section.

Fixture Operation Timer

This option shows the time the fixture has been in operation.

1) Select ***Fixture use time***.
2) Press **<ENTER>**.

The fixture will show the accumulated time of operation.

The Fixture Use Time is not resettable.

Lamp Operation Timer

This option allows the operator see the fixture and lamp usage timers as well to reset the lamp usage timer after changing the lamp.

1) Select ***Lamp On Time*** (the accumulated lamp usage time will show).
2) Select **Exit** or **Reset Time** (do this only after changing the lamp).
3) Press **<ENTER>**.

Firmware Version

This option shows the installed firmware version for each of its various microcontrollers.

1) Select ***Firmware Version***.
2) Press **<ENTER>**.

Fixture Reset

The options in the Fixture Reset section control the resetting of the various functions of this fixture. To access this section, do the following:

1) Press **<MENU>**.
2) Select ***Reset Function***.
3) Select the corresponding function as indicated below.
4) Press **<MENU>** to exit once you are done with this section.

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Pan & Tilt

This option resets the pan and tilt of the fixture's head to their corresponding home positions.

1) Select ***Pan & Tilt***.
2) Select **Yes** (reset) or **No** (exit without resetting).
2) Press **<ENTER>**.

The fixture's will move to the pan and tilt home positions.

Color

This option resets the color wheel to its corresponding home position.

1) Select ***Color***.
2) Select **Yes** (reset) or **No** (exit without resetting).
2) Press **<ENTER>**.

The color wheel will move to its home position.

Shutter & Dimmer

This option resets the shutter and dimmer to their corresponding home positions.

1) Select ***Shutter & Dimmer***.
2) Select **Yes** (reset) or **No** (exit without resetting).
2) Press **<ENTER>**.

The shutter and dimmer will move to their corresponding home positions.

Zoom

This option resets the zoom to its home position.

1) Select ***Zoom***.
2) Select **Yes** (reset) or **No** (exit without resetting).
2) Press **<ENTER>**.

The zoom will move to its home position.

All

This option resets all the motors to their corresponding home positions.

1) Select ***All***.
2) Select **Yes** (reset) or **No** (exit without resetting).
2) Press **<ENTER>**.

All motors will move to their corresponding home positions.

Special Functions

The Special Functions section comprises the maintenance timer options and the factory default option. To access this section, do the following:

1) Press **<MENU>**.
2) Select ***Special Functions***.
3) Select the corresponding function as indicated below.
4) Press **<MENU>** to exit once you are done with this section.

Fixture Maintenance Timers

This fixture has a built-in timer to remind the operator that it is time for the fixture's routine maintenance. When the preset time elapses, the warning icon shows on the LCD.

1) Select ***Fixture Maintenance***.
2) To change the maintenance interval timer,
   a) Select ***Interval***.
   b) Select the new interval (in hours).
   c) Press **<MENU>**.
3) To reset the remaining time counter,
   a) Select ***Remain Time***.
   b) Select **Reset Time** (reset the timer) or **Exit** (exit without resetting).
   c) Press **<MENU>**.

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Factory Default

If you want to default the fixture to its factory configuration, follow the following steps:

1) Select ***Factory Settings***.
3) Select **Yes** (default fixture) or **No** (exit without defaulting).
4) Press **<ENTER>**.

- **The above operation will default all the fixture's parameters to their original factory configuration values.**
- **Defaulting the fixture does not affect the home position settings.**

Offset Mode

The Offset Mode provides fine adjustments for the home position of all the moving parts in the optical path as well as the pan and tilt movements. The home position is where the moving parts go when you reset them. In their corresponding home position, the moving parts should not show any border or reduce the light output. If they do, use the Offset Mode to fine adjust them.

Entering Offset Mode

1) Press **<MENU>** to enter the regular Menu Mode.
2) Press **<ENTER>** for more than three seconds to enter the Offset Mode (the Offset Mode menu will show).
4) Press **<MENU>** to exit once you are done with offset adjustments.

Pan Motor

1) Select ***Pan*** and press **<ENTER>** (a pop up window will open).
   a) Select the new value (**-128~127**).
   b) Accept the new value.

Tilt Motor

1) Select ***Tilt*** and press **<ENTER>** (a pop up window will open).
   a) Select the new value (**-128~127**).
   b) Accept the new value.

Shutter Motor

1) Select ***Shutter*** and press **<ENTER>** (a pop up window will open).
   a) Select the new value (**0~255**).
   b) Accept the new value.

Color Motor

1) Select ***Color 1*** and press **<ENTER>** (a pop up window will open).
   a) Select the new value (**-128~127**).
   b) Accept the new value.

Cyan Dichroic Flag Motor

1) Select ***Cyan*** and press **<ENTER>** (a pop up window will open).
   a) Select the new value (**0~255**).
   b) Accept the new value.

Magenta Dichroic Flag Motor

1) Select ***Magenta*** and press **<ENTER>** (a pop up window will open).
   a) Select the new value (**0~255**).
   b) Accept the new value.

Yellow Dichroic Flag Motor

1) Select ***Yellow*** and press **<ENTER>** (a pop up window will open).
   a) Select the new value (**0~255**).
   b) Accept the new value.

3200 K Filter Dichroic Flag Motor

1) Select ***3200 K Filter*** and press **<ENTER>** (a pop up window will open).
   a) Select the new value (**0~255**).
   b) Accept the new value.

Gobo 1 Motor

1) Select ***Gobo 1*** and press **<ENTER>**.
   a) Select the new value (**-128~127**).
   b) Accept the new value.

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R-Gobo 1 Motor

1) Select ***R-Gobo 1*** and press **<ENTER>**.
   a) Select the new value (**-128~127**).
   b) Accept the new value.

Gobo 2 Motor

1) Select ***Gobo 2*** and press **<ENTER>**.
   a) Select the new value (**-128~127**).
   b) Accept the new value.

R-Gobo 2 Motor

1) Select ***R-Gobo 2*** and press **<ENTER>**.
   a) Select the new value (**-128~127**).
   b) Accept the new value.

Iris Motor

1) Select ***Iris*** and press **<ENTER>**.
   a) Select the new value (**0~255**).
   b) Accept the new value.

Prism Motor

1) Select ***Prism*** and press **<ENTER>**.
   a) Select the new value (**0~255**).
   b) Accept the new value.

R-Prism Motor

1) Select ***R-Prism*** and press **<ENTER>**.
   a) Select the new value (**-128~127**).
   b) Accept the new value.

Frost Motor

1) Select ***Frost*** and press **<ENTER>**.
   a) Select the new value (**0~255**).
   b) Accept the new value.

Focus Motor

1) Select ***Focus*** and press **<ENTER>**.
   a) Select the new value (**0~255**).
   b) Accept the new value.

Zoom Motor

1) Select ***Zoom*** and press **<ENTER>**.
   a) Select the new value (**0~255**).
   b) Accept the new value.

DMX Values

Mode 1 (Basic)

Channel	Function	Value	Percent/Setting
1	**Pan**	000 ⇔ 255	0~540º
2	**Pan Fine**	000 ⇔ 255	0~100%
3	**Tilt**	000 ⇔ 255	0~270º
4	**Tilt Fine**	000 ⇔ 255	0~100%
5	**Pan/Tilt Speed**	000 ⇔ 255	Fast~slow
6	**Dimmer**	000 ⇔ 255	0~100%
7	**Shutter**	000 ⇔ 007	Closed
		008 ⇔ 015	Open
		016 ⇔ 131	Macro 1 (open~closed) (slow~fast)
		132 ⇔ 167	Macro 2 (open~closed) (fast~slow)
		168 ⇔ 203	Macro 3 (open~closed) (slow~fast~slow)
		204 ⇔ 239	Random Strobe
		240 ⇔ 255	Open
8	**Color**	000 ⇔ 007	Open (white)
		008 ⇔ 015	Red
		016 ⇔ 023	Dark Blue
		024 ⇔ 031	Pink
		032 ⇔ 039	Green
		040 ⇔ 047	Yellow
		048 ⇔ 055	Orange
		056 ⇔ 063	UV
		064 ⇔ 127	Split Colors
		128 ⇔ 189	CCW rotation (fast~slow)
		190 ⇔ 193	Stop
		194 ⇔ 255	CW rotation (slow~fast)
9	**Cyan**	000 ⇔ 255	0~100%
10	**Magenta**	000 ⇔ 255	0~100%
11	**Yellow**	000 ⇔ 255	0~100%
12	**3200 K Filter**	000 ⇔ 255	0~100%
13	**Gobo 1**	000 ⇔ 009	Open (white)
		010 ⇔ 019	Gobo 1
		020 ⇔ 028	Gobo 2
		029 ⇔ 038	Gobo 3
		039 ⇔ 047	Gobo 4
		048 ⇔ 057	Gobo 5
		058 ⇔ 067	Gobo 6
		068 ⇔ 077	Gobo 1 shake
		078 ⇔ 087	Gobo 2 shake
		088 ⇔ 097	Gobo 3 shake
		098 ⇔ 107	Gobo 4 shake
		108 ⇔ 117	Gobo 5 shake
		118 ⇔ 127	Gobo 6 shake
		128 ⇔ 189	CCW rotation (fast~slow)
		190 ⇔ 193	Stop
		194 ⇔ 255	CW rotation (slow~fast)
14	**R-Gobo 1**	000 ⇔ 127	Gobo indexing
		128 ⇔ 189	CCW rotation (fast~slow)
		190 ⇔ 193	Stop
		194 ⇔ 255	CW rotation (slow~fast))
15	**Gobo 2**	000 ⇔ 009	Open (white)
		010 ⇔ 019	Gobo 7
		020 ⇔ 028	Gobo 8
		029 ⇔ 038	Gobo 9
		039 ⇔ 047	Gobo 10
		048 ⇔ 057	Gobo 11
		058 ⇔ 067	Gobo 12
		068 ⇔ 077	Gobo 7 shake
		078 ⇔ 087	Gobo 8 shake
		088 ⇔ 097	Gobo 9 shake
		098 ⇔ 107	Gobo 10 shake

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Mode 1 (Cont.)

Channel	Function	Value	Percent/Setting
15	**Gobo 2 (Cont.)**	108 ⇔ 117	Gobo 11 shake
		118 ⇔ 127	Gobo 12 shake
		128 ⇔ 189	CCW rotation (fast~slow)
		190 ⇔ 193	Stop
		194 ⇔ 255	CW rotation (slow~ fast)
16	**R-Gobo 2**	000 ⇔ 127	Gobo indexing
		128 ⇔ 189	CCW rotation (fast~slow)
		190 ⇔ 193	Stop
		194 ⇔ 255	CW rotation (slow~fast)
17	**Focus**	000 ⇔ 255	Narrow~wide
18	**Zoom**	000 ⇔ 255	15~30°
19	**Effect/prism**	000 ⇔ 025	Open
		026 ⇔ 050	Effect 1
		051 ⇔ 076	Effect 2
		077 ⇔ 101	Effect 3
		102 ⇔ 127	Effect 4
		128 ⇔ 255	Effect Macro 1~24
20	**R-Effect/Prism**	000 ⇔ 127	Gobo indexing
		128 ⇔ 189	CCW rotation (fast~slow)
		190 ⇔ 193	Stop
		194 ⇔ 255	CW rotation (slow~fast)
21	**Iris**	000 ⇔ 255	100~0%
22	**Frost**	000 ⇔ 179	0~100%
		180 ⇔ 201	Open ⇔ closed (fast~slow)
		202 ⇔ 223	Closed ⇔ open (fast~slow)
		224 ⇔ 245	Frost
		246 ⇔ 255	Frost effect
23	**Function**	000 ⇔ 009	No function
		010 ⇔ 019	Auto focus (enable)
		020 ⇔ 029	Auto focus (disable)
		030 ⇔ 039	Fan speed (auto)
		040 ⇔ 049	Fan speed (high)
		050 ⇔ 069	No function
		070 ⇔ 079	Pan/tilt move-in-black (enable)
		080 ⇔ 089	Pan/tilt move-in-black (disable)
		090 ⇔ 099	Color move-in-black (enable)
		100 ⇔ 109	Color move-in-black (disable)
		110 ⇔ 119	Gobo move-in-black (enable)
		120 ⇔ 129	Gobo move-in-black (disable)
		130 ⇔ 139	Lamp On
		140 ⇔ 149	Pan/tilt reset
		150 ⇔ 159	Color reset
		160 ⇔ 169	Gobo1/Gobo2/Iris reset
		170 ⇔ 179	Shutter reset
		180 ⇔ 189	Focus/zoom reset
		190 ⇔ 199	Frost/effect reset
		200 ⇔ 209	Reset all
		210 ⇔ 219	Pan/tilt/color/gobo move-in-black (enable)
		220 ⇔ 229	Pan/tilt/color/gobo move-in-black (disable)
		230 ⇔ 239	Lamp off
		240 ⇔ 255	No function

End of Mode 1

Mode 2 (Advanced)

Channel	Function	Value	Percent/Setting
1	**Pan**	000 ⇔ 255	0~540
2	**Pan fine**	000 ⇔ 255	0~100%
3	**Tilt**	000 ⇔ 255	0~270
4	**Tilt fine**	000 ⇔ 255	0~100%
5	**Pan/tilt Speed**	000 ⇔ 255	Fast~slow
6	**Dimmer**	000 ⇔ 255	0~100%
7	**Dimmer fine**	000 ⇔ 255	0~100%
8	**Shutter**	000 ⇔ 007	Closed
		008 ⇔ 015	Open
		016 ⇔ 131	Macro 1 (open~closed) (slow~fast)
		132 ⇔ 167	Macro 2 (open~closed) (fast~slow)
		168 ⇔ 203	Macro 3 (open~closed) (slow~fast~slow)
		204 ⇔ 239	Random Strobe
		240 ⇔ 255	Open
9	**Color**	000 ⇔ 007	Open (white)
		008 ⇔ 015	Red
		016 ⇔ 023	Dark Blue
		024 ⇔ 031	Pink
		032 ⇔ 039	Green
		040 ⇔ 047	Yellow
		048 ⇔ 055	Orange
		056 ⇔ 063	UV
		064 ⇔ 127	Split Colors
		128 ⇔ 189	CCW rotation (fast~slow)
		190 ⇔ 193	Stop
		194 ⇔ 255	CW rotation (slow~fast)
10	**Cyan**	000 ⇔ 255	0~100%
11	**Magenta**	000 ⇔ 255	0~100%
12	**Yellow**	000 ⇔ 255	0~100%
13	**3200 K Filter**	000 ⇔ 255	0~100%
14	**Filters Speed**	000 ⇔ 255	Fast~slow
15	**Gobo 1**	000 ⇔ 009	Open (white)
		010 ⇔ 019	Gobo 1
		020 ⇔ 028	Gobo 2
		029 ⇔ 038	Gobo 3
		039 ⇔ 047	Gobo 4
		048 ⇔ 057	Gobo 5
		058 ⇔ 067	Gobo 6
		068 ⇔ 077	Gobo 1 shake
		078 ⇔ 087	Gobo 2 shake
		088 ⇔ 097	Gobo 3 shake
		098 ⇔ 107	Gobo 4 shake
		108 ⇔ 117	Gobo 5 shake
		118 ⇔ 127	Gobo 6 shake
		128 ⇔ 189	CCW rotation (fast~slow)
		190 ⇔ 193	Stop
		194 ⇔ 255	CW rotation (slow~fast)
16	**R-Gobo 1**	000 ⇔ 127	Gobo indexing
		128 ⇔ 189	CCW rotation (fast~slow)
		190 ⇔ 193	Stop
		194 ⇔ 255	CW rotation (slow~fast))
17	**R-Gobo 1 Fine**	000 ⇔ 255	0~100%
18	**Gobo 2**	000 ⇔ 009	Open (white)
		010 ⇔ 019	Gobo 7
		020 ⇔ 028	Gobo 8
		029 ⇔ 038	Gobo 9
		039 ⇔ 047	Gobo 10
		048 ⇔ 057	Gobo 11
		058 ⇔ 067	Gobo 12
		068 ⇔ 077	Gobo 7 shake
		078 ⇔ 087	Gobo 8 shake
		088 ⇔ 097	Gobo 9 shake

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Mode 2 (Cont.)

Channel	Function	Value	Percent/Setting
18	**Gobo 2 (Cont.)**	098 ⇔ 107	Gobo 10 shake
		108 ⇔ 117	Gobo 11 shake
		118 ⇔ 127	Gobo 12 shake
		128 ⇔ 189	CCW rotation (fast~slow)
		190 ⇔ 193	Stop
		194 ⇔ 255	CW rotation (slow~fast)
19	**R-Gobo 2**	000 ⇔ 127	Gobo indexing
		128 ⇔ 189	CCW rotation (fast~slow)
		190 ⇔ 193	Stop
		194 ⇔ 255	CW rotation (slow~fast))
20	**R-Gobo 2 Fine**	000 ⇔ 255	100~0%
21	**Focus**	000 ⇔ 255	Narrow~wide
22	**Zoom**	000 ⇔ 255	15~30°
23	**Effect/prism**	000 ⇔ 025	Open
		026 ⇔ 050	Effect 1
		051 ⇔ 076	Effect 2
		077 ⇔ 101	Effect 3
		102 ⇔ 127	Effect 4
		128 ⇔ 255	Effect Macro 1~24
24	**R-Effect/prism**	000 ⇔ 127	Gobo indexing
		128 ⇔ 189	CCW rotation (fast~slow)
		190 ⇔ 193	Stop
		194 ⇔ 255	CW rotation (slow~fast))
25	**Iris**	000 ⇔ 255	100~0%
26	**Frost**	000 ⇔ 179	0~100%
		180 ⇔ 201	Open~closed (fast~slow)
		202 ⇔ 223	Closed~open (fast~slow)
		224 ⇔ 245	Frost
		246 ⇔ 255	Frost effect
27	**Pan/tilt Macro (works with Channel 28)**	000 ⇔ 007	Off
		008 ⇔ 015	Macro 1
		016 ⇔ 023	Macro 2
		024 ⇔ 031	Macro 3
		032 ⇔ 039	Macro 4
		040 ⇔ 047	Macro 5
		048 ⇔ 055	Macro 6
		056 ⇔ 063	Macro 7
		064 ⇔ 071	Macro 8
		072 ⇔ 079	Macro 9
		080 ⇔ 087	Macro 10
		088 ⇔ 095	Macro 11
		096 ⇔ 103	Macro 12
		104 ⇔ 120	Macro 13
		121 ⇔ 127	Macro 14
		128 ⇔ 135	Macro 15
		136 ⇔ 143	Macro 16
		144 ⇔ 151	Macro 17
		152 ⇔ 159	Macro 18
		160 ⇔ 167	Macro 19
		168 ⇔ 175	Macro 20
		176 ⇔ 183	Macro 21
		184 ⇔ 191	Macro 22
		192 ⇔ 207	Macro 23
		208 ⇔ 223	Macro 24
		224 ⇔ 231	Macro 25
		232 ⇔ 247	Macro 26
		248 ⇔ 255	Macro 27
28	**Macro Range**	000 ⇔ 255	0~100% **(works with Channel 27)**

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Mode 2 (Cont.)

Channel	Function	Value	Percent/Setting
29	**Preset Color**	000 ⇔ 021	White
		022 ⇔ 042	Color 1
		043 ⇔ 063	Color 2
		064 ⇔ 085	Color 3
		086 ⇔ 106	Color 4
		107 ⇔ 127	Color 5
		128 ⇔ 148	Color 6
		149 ⇔ 170	Color 7
		171 ⇔ 191	Color 8
		192 ⇔ 212	Color 9
		213 ⇔ 233	Color 10
		234 ⇔ 255	Color 11
30	**Color Macro**	000 ⇔ 007	Open
		008 ⇔ 028	Macro 1
		029 ⇔ 049	Macro 2
		050 ⇔ 069	Macro 3
		070 ⇔ 090	Macro 4
		091 ⇔ 110	Macro 5
		111 ⇔ 131	Macro 6
		132 ⇔ 152	Macro 7
		153 ⇔ 173	Macro 8
		174 ⇔ 194	Macro 9
		195 ⇔ 215	Macro 10
		216 ⇔ 235	Macro 11
		236 ⇔ 255	Macro 12
31	**Function**	000 ⇔ 009	No function
		010 ⇔ 019	Auto focus (enable)
		020 ⇔ 029	Auto focus (disable)
		030 ⇔ 039	Fan speed (auto)
		040 ⇔ 049	Fan speed (high)
		050 ⇔ 069	No function
		070 ⇔ 079	Pan/tilt move-in-black (enable)
		080 ⇔ 089	Pan/tilt move-in-black (disable)
		090 ⇔ 099	Color move-in-black (enable)
		100 ⇔ 109	Color move-in-black (disable)
		110 ⇔ 119	Gobo move-in-black (enable)
		120 ⇔ 129	Gobo move-in-black (disable)
		130 ⇔ 139	Lamp On
		140 ⇔ 149	Pan/tilt reset
		150 ⇔ 159	Color reset
		160 ⇔ 169	Gobo1/Gobo2/Iris reset
		170 ⇔ 179	Shutter reset
		180 ⇔ 189	Focus/zoom reset
		190 ⇔ 199	Frost/effect reset
		200 ⇔ 209	Reset all
		210 ⇔ 219	Pan/tilt/color/gobo move-in-black (enable)
		220 ⇔ 229	Pan/tilt/color/gobo move-in-black (disable)
		230 ⇔ 239	Lamp off
		240 ⇔ 255	No function

End of Mode 2

5. Technical Information

General Maintenance

To maintain optimum performance and minimize wear, the user should clean the light fixtures frequently. Usage and environment are contributing factors in determining the cleaning frequency. As a rule, the user should clean the fixtures at least twice a month. Dust build up reduces light output performance and can cause overheating. This can lead to reduced light source life and increased mechanical wear.

CHAUVET® recommends cleaning the fixture's external optics with a soft cloth using normal glass cleaning fluid.

To clean a fixture, follow the recommendations below:

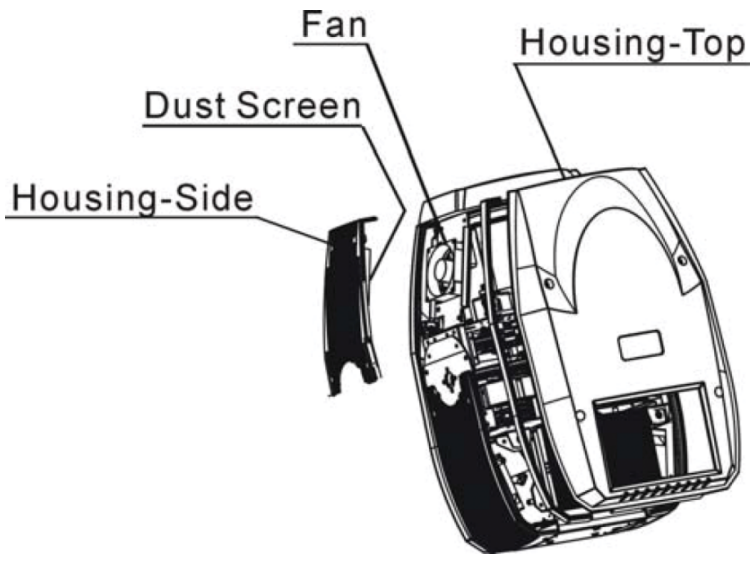
- Unplug the fixture from power.
- Wait until the fixture is cold.
- Use a vacuum (or dry compressed air) and a soft brush to remove dust collected on the external vents and reachable internal components.
- Clean all external optics and glass surfaces with a mild solution of glass cleaner or isopropyl alcohol, and a soft, lint free cotton cloth or a lens cleaning tissue.
- Apply the solution directly to the cloth or tissue and drag any dirt and grime to the outside of the lens.
- Gently polish the external glass surfaces until they are free of haze and lint.
- When cleaning units with a movable mirror, you should keep the contact with the mirror surface to a minimum to avoid scratching or damaging it.

Always dry the external optics and glass surfaces carefully after cleaning them.

If the fixture has one or more fans, refrain from spinning them using compressed air.

Dust Screen Cleaning

The Legend 1200E Spot fixture uses multiple fans. To prevent dust buildup on the components of the optic path, each of the fans on the forward section of the moving head have a dust screen as shown in the diagram below.



To access the dust screens, remove the bottom and top housings of the moving head, at which point you will have be able to remove the housing sides. Once you have cleaned the dust screens, reverse the process to replace them.

Despite having dust screens, the fixture still needs regular cleaning of its lenses, color wheels, and the other components in the optical path.

Error Messages

Message	Cause(s)	Action(s)
Lamp Startup Fail	The lamp has not started after being struck.	• Check lamp • Check lamp socket and wiring • Check ballast and igniter
Temperature Sense Fail	There is no communication with temperature sensor.	• Check sensor wiring • Check sensor integrity • Check control board
Lamp Hot Protection	Fixture temperature is higher than 105º C; lamp was switched to low power for safety.	• Check fans • Check fan wiring • Clean vents
Lamp Hot Power Off	Fixture temperature is 110º C or higher; lamp was switched to off for safety.	• Check fans • Check fan wiring • Clean vents
Maintenance Fixture	Fixture Maintenance timer expired.	• Proceed with maintenance and reset timer
Lamp On Over 700 Hour	Lamp change is overdue.	• Change lamp
Memory Initial Fail	Memory chip error found.	• Change main board
Fan 1 Error **Fan 2 Error** **Fan 3 Error** **Fan 4 Error** **Fan 5 Error** **Fan 6 Error**	The indicated fan is not working.	• Check fan • Check fan wiring
CPU-B Error **CPU-C Error** **CPU-D Error** **CPU-E Error** **CPU F Error** **CPU G Error** **CPU H Error**	There is no communication with the indicated auxiliary CPU.	• Check sensors' wiring and position • Check stepper motor, belt, and driver board • Check control boards
Pan Home Sensor Error **Pan Encode Error** **Tilt Home Sensor Error** **Tilt Encode Error**	The moving head failed going to home position after power up or fixture reset.	• Check moving head's free movement • Check sensors' wiring and position • Check stepper motor, belt ,and driver board • Check the corresponding control board • Check main control board
Color 1 Reset Fail **Cyan Reset Fail** **Magenta Reset Fail** **Yellow Reset Fail** **3200 K Filter Reset Fail** **Gobo 1 Reset Fail** **R-Gobo 1 Reset Fail** **Gobo 2 Reset Fail** **R-Gobo Reset Fail** **Iris Reset Fail** **Effect Reset Fail** **R-Effect Reset Fail** **Frost Reset Fail** **Focus Reset Fail** **Zoom Reset Fail**	The indicated moving part failed going to home position after power up or fixture reset.	• Check part's free movement and integrity • Check sensors' wiring and position • Check stepper motor, belt, and driver board • Check the corresponding control board • Check main control board

Troubleshooting Guide

Symptom	Cause(s)	Action(s)
Fixture does not power up	• No power on outlet	• Repair outlet problem or use another outlet
	• Blown fuse	• Replace blown fuse with same type and rating fuse
	• Bad power cord/plug	• Repair or replace power cord/plug
	• Bad power switch	• Replace power switch
	• Bad power supply	• Replace power supply
	• Bad main controller	• Replace main controller
Fixture powers up but lamp does not ignite	• State/Power On parameter set to NO	• Change parameter to YES
	• Lamp temperature problems	• Check error messages and follow instructions
	• Lamp problems	• Check error messages and follow instructions
Lamp ignited but has low intensity/color temperature	• Dimmer not at full output	• Adjust dimmer value
	• Lamp still cold	• Wait for lamp to come up with full output temperature
	• CTC or CMY filter interfering	• Set color wheel or filter to home position
	• Defective or old lamp	• Replace lamp
	• Misaligned lamp	• Realign lamp
	• Defective lamp wires or socket	• Repair/change wiring or socket
	• Defective ballast	• Replace ballast
Lamp flickers or turns off by itself	• Defective or old lamp	• Replace lamp
	• Temperature problems	• Check error messages and follow instructions
	• Defective lamp wires or socket	• Repair/change wiring or socket
	• Defective ballast	• Replace ballast
Circuit breaker/fuse keeps tripping/blowing	• Excessive circuit load	• Check total load placed on the electrical circuit
	• Short circuit along the power wires	• Check for a short in the electrical wiring
Fixture does not respond to DMX when nearby fixtures on the same universe do	• Wrong DMX addressing	• Check DMX mode and starting DMX address
	• Damaged DMX cables	• Check DMX cables
	• Wrong polarity on the controller	• Check polarity switch settings on the controller
	• Loose DMX cables	• Check cable connections
	• Faulty DMX interface	• Replace the Main board
	• Faulty Display/Main board	• Replace the Main board
DMX signal problems	• Non DMX cables	• Use only DMX compatible cables
	• Bouncing signals	• Install terminator as suggested
	• Long cable / low level signal	• Install an optically coupled DMX splitter right after the fixture with the strong signal
	• Too many fixtures	• Install an optically coupled DMX splitter after unit #32 or before
	• Interference from AC wires	• Keep DMX cables separated from power cables or fluorescent/black lights

If you still experience technical problems after trying the above solutions, contact CHAUVET® Technical Support.

Returns Procedure

The user must send the merchandise prepaid, in the original box, and with its original packing and accessories. CHAUVET® will not issue call tags.

Call CHAUVET® and request a Return Merchandise Authorization Number (RMA #) before shipping the fixture. Be prepared to provide the model number, serial number, and a brief description of the cause for the return.

The user must clearly label the package with a Return Merchandise Authorization Number (RMA #). CHAUVET® will refuse any product returned without an RMA #.

DO NOT write the RMA # directly on the box. Instead, write it on a properly affixed label.

Once you receive the RMA #, please include the following information on a piece of paper inside the box:

- Your name
- Your address
- Your phone number
- The RMA #
- A brief description of the problem

Be sure to pack the fixture properly. Any shipping damage resulting from inadequate packaging will be the customer's responsibility. As a suggestion, proper UPS packing or double-boxing is always a safe method to use.

CHAUVET® reserves the right to use its own discretion to repair or replace returned product(s).

Claims

The carrier is responsible for any damage incurred during shipping to this product or any part that shipped with it. Therefore, if the received merchandise appears to have damages caused during shipping, the customer must submit the damage report and any related claims with the carrier, not CHAUVET®. The customer must submit the report upon reception of the damaged merchandise. Failure to do so in a timely manner may invalidate the customer's claim with the carrier.

For other issues such as missing components or parts, damage not related to shipping, or concealed damage, the customer must make claims to CHAUVET® within seven (7) days of receiving the merchandise.

Contact Us

World Headquarters

General Information

CHAUVET®
5200 NW 108th Avenue
Sunrise, FL 33351
Voice: (954) 929-1115
Fax: (954) 929-5560
Toll free: (800) 762-1084

Technical Support

Voice: (954) 929-1115 (Press **4**)
Fax: (954) 756-8015

World Wide Web

www.chauvetlighting.com

Technical Specifications

Dimensions and Weight

Fixture Only

Length	Width	Height	Weight
20.5 in (521 mm)	21.2 in (539 mm)	30.1 in (764 mm)	82.05 lbs (37.22 kg)

Fixture in Flight Case

Length	Width	Height	Weight
25 in (635 mm)	28 in (711 mm)	35 in (889 mm)	191.05 lbs (86.22 kg)

Power

Power Supply Type	Range	Voltage Selection
Switching (w/PF correction)	100~240 V, 50/60 Hz	Auto-ranging

Parameter	208 V, 60 Hz	230 V, 50 Hz
Consumption	1,641 W (7.89 A)	1,645 W (7.15 A)
Inrush current	3.4 A	3.3 A
Fuse	F 15 A, 250 V, 6 x 30 mm (fast blow)	

Power I/O	Input	Output
Connectors	Cable boot	N/A
Cord plugs	Bare ended	N/A

Light Source

Type	Power	Quantity
HID Lamp (short arc)	1200 W	1

Socket	Lifespan
PGJX50	750 (50% failure)

Approved Lamps

Phillips	Osram	GE
MSR1200SA/SE FastFit™	HTI 1500 W/60/P50 Lok-It™	CSR 1200/SA/TAL

Head Movement

Pan Range	Tilt Range	Fine Adjustment Option
0~540º	0~270º	Yes (Advanced Mode)

Gobos

External Diameter	Image Diameter	Thickness
37.3 mm	30.0mm	5 mm.

Photo Optic

Parameter	Minimum Zoom	Maximum Zoom
Illuminance @ 5 m	23,000 lx	5,000 lx
Beam angle	15º	30º

Thermal

Maximum External Temp.	Maximum Surface Temp.	Cooling System
104° F (40° C)	135° F (57° C)	Fans

DMX

I/O Connectors	Connector Type	Channel Range
3- and 5-pin XLR	Sockets	23 and 31

Ordering

Legend™ 1200E Spot	Flight Case
LEGEND1200ESPOT	Included

Warranty

Duration	Coverage	Details
2 years	Limited	See Warranty Card

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